

# EXPERIMENTAL FACILITIES DIVISION

## L1119 Facility Hazard Analysis

The purpose of this form is to serve as a summary of facility characteristics, recognized hazards, implemented hazard controls, pertinent sources of information, and incident reporting contacts.

**Scope of work conducted in this facility:** To perform survey alignments, rigging, and mechanical component assembly and testing.

**Laboratory equipment and hazardous materials associated with this facility:**

Ladder/fall protection equipment

Slings/shackles

Vacuum chambers

Arbor press

Invar

Aluminum

Organic solvents

Silica sand

Pallet jack

Vibration equipment

Compressed air

Electrically powered hand tools

Motorized stages and robot arms

Wood/steel stock

Tungsten

1 ton gantry/chain fall

Class II laser (HeNe, 633)

Vibration isolators

Stepper motor power supply

Lead bricks

Copper/glidcop

Macor (ceramic)

**Hazards associated with this facility:**

Chemical exposure

Eye hazard from laser light

Material handling

Lead exposure

High pressure

Pinch points

Electrical shock hazard

**Hazard controls implemented within this facility :**

**Engineered Controls**

Local exhaust system

**Procedural Controls**

Vibration characterization

Vibration measurement

Survey & alignment of components

**PPE**

Safety glasses

Safety shoes

Hard hats

Leather gloves w/rubber grip

**Relevant ESH manual chapters that may be associated with this facility:**

- 1) Ch. 4.3 – Laboratory & Chemical Safety
- 2) Ch. 6.2 – Laser Safety
- 3) Ch. 7.12 – Safe Use of Tools
- 4) Ch. 7.14 - Scaffolds, Platforms, and Portable Ladders
- 5) Ch. 9.1 – Electrical Safety
- 6) Ch. 16.1 - Powered Industrial Trucks & Manual Pallet Trucks
- 7) Ch. 16.2 – Hoisting & Rigging Safety

**Pertinent safety training courses that may be associated with this facility:**

- 1) ESH117: Ladder Safety
- 2) ESH120: Laser Safety Training
- 3) ESH141: Portable Hand & Power Tool Safety
- 4) ESH170: OSHA Lead Standard Orientation
- 5) ESH371: Electrical Safety Training – General
- 6) ESH456: Chemical Waste Certification
- 7) ESH574: Chemical Waste Generator
- 8) PFS21111: Incidental Crane Operator Training

*Note: This is not intended to be an all-inclusive list of training that is required to work within this facility. The authoritative record of required training is depicted by the individual's JHQ.*

**Incident reporting contacts :**

\*\*\*\*Dial 911 in an emergency\*\*\*\*

Lab Safety Captain:

Group Leader:

ES&H Coordinator:

Deming Shu

Deming Shu

Jeff Alicz

Extension: 2-4684

Extension: 2-4684

Extension: 2-9525

Facility hazard analysis completed by:	_____	_____
	Lab Safety Captain or designee	Date
Reviewed and approved by:	_____	_____
	ES&H Coordinator	Date
	_____	_____
	Line Management	Date

*This hazard analysis must be reviewed and updated accordingly on an annual basis or whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.*

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